

CITY of
SPRINGFIELD



PUBLIC WORKS DEPARTMENT

City of Springfield
Sewer Maintenance
Surveillance and Enforcement
1216 W Nichols St
Springfield MO 65802
PHONE: (417) 864-1923
FAX: (417) 864-1918

FAX

Date: 10-17-05 12:57 P.M. ~~SD~~

Fax #: 823-9659

To: Mike Grose

From: Gene Pabst

Message: Information you requested.

(Complaint form & MSD sheets)

Pages to follow: 4

1913 S. Steward

City of Springfield
Water Pollution Control Section
Pollution Complaint/Report Form

Date 11-3-98

Report From:

- ☒ Citizen
☐ Fire Dept.
☐ Public Information Office
☐ Health Department
☐ Other _____

Received By: Gene Pabst

Referred To: Karen Chandler

Date of Incident: _____

Complainant Information:

Name Anonymous
Address _____
Phone _____
Directions (if needed): _____

Responsible Party Information:

Name Benchmark Printing
Address 1913 S. Stewart - Suite D
Phone _____

Possible contamination of: ☐ soil ☐ groundwater
☐ surface water what body? _____
☐ other _____

Other pertinent information: _____

Who to contact:

- | | |
|--|--|
| <input type="checkbox"/> DNR 417-837-6950 | <input type="checkbox"/> Health Dept. |
| <input type="checkbox"/> DNR 314-634-2436 | <input type="checkbox"/> Sewer Maintenance |
| <input type="checkbox"/> EPA 913-236-3778 | <input type="checkbox"/> Sewer Construction |
| <input type="checkbox"/> Fire Dept. 864-1719 | <input type="checkbox"/> Chemtrec 1-800-424-9300 |
| <input type="checkbox"/> Police Dept. 864-1719 | <input type="checkbox"/> DOT |
| <input type="checkbox"/> Bob Schaefer | <input type="checkbox"/> NRC 1-800-424-8802 |
| <input type="checkbox"/> CU 831-8320 | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Street Dept. | |

Details of incident: Everything is dumped down the street or sent. When machines are cleaned it is dumped down toilet. Sometimes 4-5 gallons at a time. Sometimes developers, fixers, etc. Also nothing is labeled.

Action needed: Inspect Benchmark Printing, get MSDS for chemicals disposed of in sewer.

(over)

ADDRESS 1913 S. Stewart

Investigation Results

I went to Benchmark Printing on 11/10/98. I talked to Steve Ghouse, who was the office manager. He said George Keller, the owner was sick at home today.

On November 13, 1998, I went back to Benchmark I talked to George Keller and we looked around in the back. There are no log drains. He said the only thing that are discharged to the sewer are water and developer when the machine is running. George gave me the MSDS for the developer. The solution is buffered 3 part water: 1 part developer. It will circulate in the machine for about a week (which he said by the book it should use about 2 1/2 gallons/week). He said when the machine is running it discharges about 8-10oz solution an hour when it comes out it has disintegrated. The hoses from the machine discharge into a stand pipe, which does have a trap on it. There was also another open plastic pipe with a cap on it. He said that was there from when Ray Appian used to repair washing machines. I talked to him about problems they can have with an open pipe in the building like that. He said he would put a cap on it. I gave him a copy of Chapter 30 and pointed out the sections on "Identified Discharges" and "Specific Pollutant Simulations". We talked about other waste products they have. Mr. Keller told me that the chemicals used to clean the presses evaporate. When they clean the presses they use wiping rags which are washed by American Bunch. He also said they use alcohol for fountain solutions. Any solvents they have left in cleanup go in the Safety-Kleen system which is picked up every 1-2 months. I asked how they disposed of outdated chemicals. He said they don't really have them, except for ink, for sure - which Safety-Kleen picks up. George Keller said he thought the person that complained could possibly be an employee that he had to fire recently.

9:05
a.m.

12/17/98, George Keller called and said they have installed a silver reclaimers unit on the discharge coming from the processor. The manufacturer of the processor recommended it. He said it will last about 500 years to run. Safety-Kleen installed the unit and will service it. George said the ink now goes through the silver reclaimers before going down the drain.



Material Safety Data Sheet

#G-28012-49

SECTION I - General Information

Product Name: #1 Network LASER 14 Developer and Replenisher
Catalog No. 28012-49

Chemical Family:
Photographic Developer

Formula:
Aqueous Mixture

Proper D.O.T. Shipping Name:
Not Regulated

D.O.T. Hazard Classification:
Not Applicable

Manufacturer:
ALLIED Diagnostic Imaging Resources, Inc.
5440 Oakbrook Parkway
Norcross, GA 30093

Manufacturer's Phone Number:
(770) 448-0250

CHEMTREC Phone Number:
(800) 424-9300

SECTION II - Product and Hazardous Ingredients Information:

<u>Item #5702</u>	<u>CAS#</u>	<u>PERCENT</u>	<u>PEL (TWA)</u>	<u>SARA</u> <u>RO/TPO</u>
Potassium Hydroxide	1310-58-3	1-2	2 mg/m3	1000# N/A
Potassium Sulfite	10117-38-1	25-30	N/A	N/A N/A
Hydroquinone	123-31-9	1-5	2 mg/m3	1#/5000#
Potassium Carbonate	584-08-7	5-10	N/A	N/A N/A
Water	7732-18-5	45-50	N/A	N/A N/A

SECTION III - Physical Data

Boiling Point: >212°F (100°C)
Vapor Pressure (mmHg): 17.0
Vapor Density (mmHg): 0.6
Solubility in Water: Complete
Appearance and Odor: Pale yellow, odorless

Specific Gravity: 1.33

Percent Volatile by Weight: Approx. 50%

Evaporation Rate: N/A

pH: 10.7

SECTION IV - Fire and Explosion Hazard Data

Flash Point: None Flammable Limits: LEL: N/A UEL: N/A
Extinguishing Media: Use method appropriate for surrounding fire.
Special Fire Fighting Procedures: Use protective clothing to prevent contact with skin and eyes.
Unusual Fire and Explosions Hazards: When heated to decomposition, it can emit toxic fumes of SO₂, CO₂, and possibly CO.

SECTION V - Health Hazard Data

TLV (ACGIH): Hydroquinone (2mg/m3), Potassium Hydroxide (2mg/m3).

Effects of Overexposure:

Inhalation: Low hazard for ordinary industrial handling.
Eyes: Vapor may cause irritation. Contact may cause burns.
Skin: Repeated and prolonged contact may cause irritation.
Ingestion: Do Not take internally. May be harmful if swallowed.



Material Safety Data Sheet #G-28012-49

Evidence of Carcinogen: Hydroquinone

Teratogenicity: N/A

Reproductive Toxicity: N/A

Mutagenicity: N/A

Synergistic Products: N/A

Emergency First Aid Procedures:

Skin: Wash skin with soap and water. If irritation occurs, seek medical attention.

Eyes: Flush with large amount of water for 15 minutes. Seek medical attention.

Ingestion: Induce vomiting. Seek medical attention immediately giving full details of amount ingested and toxicity.

Inhalation: Move to fresh air.

SECTION VI - Reactivity Data

Stability: Stable.

Incompatibility: Strong acids.

Hazardous Decomposition Products: When heated to decomposition, it can emit toxic fumes of SO_2 and CO_2 .

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

SECTION VII - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled: Wear protective clothing as specified in Section VIII. Neutralize with sodium bicarbonate. If federal, state and local laws permit, flush to sewer with large amounts of water.

Waste Disposal: Neutralize with sodium bicarbonate. If federal, state, and/or local laws permit, flush to sewer with large amounts of water. Otherwise, dispose of contaminated product and materials used in cleaning up the spill in a manner approved for this material. Consult proper federal, state and/or local regulatory agencies to ascertain proper disposal procedures.

SECTION VIII - Special Protection Information:

Respiratory Protection (Specify Type): Should not be necessary under normal conditions. If exposed to vapors that exceed TLV or PEL, wear approved vapor respirator.

Protective Equipment:

Gloves: Impervious gloves.

Eyes: Wear protective goggles.

Other: As necessary to prevent skin contact. Eyewash facilities in vicinity of use.

SECTION IX - Special Precautions

Precautions to be Taken in Handling and Storage: Do not store or consume food, drink or tobacco in surrounding area. Keep tightly sealed. Store above 40°F. Avoid unnecessary personal contact. Avoid incompatible substances. Wash thoroughly after handling.

The information contained in this material safety data sheet is furnished without warranty of any kind. The user should consider this data a supplement to other information gathered and must make independent determination of suitability and completeness of information from this and other sources to assure proper use and disposal of the materials and the health and safety of employees and customers. This statement is incorporated as part of this Material Safety Data Sheet.

Revised: July 1, 1995